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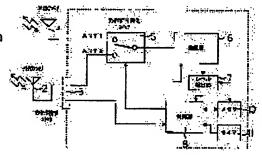
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## (54) RADIO COMMUNICATION EQUIPMENT

## (57)Abstract:

PROBLEM TO BE SOLVED: To originate and receive a call with optimal receiving sensitivity at all times by switching an antenna changeover switch to the side of a main body antenna, when a detected value of electric field intensity of a received signal to be received by the main body antenna exceeds the detected value of the external antenna. SOLUTION: When the external antenna 2 is connected with an accessory connection connector 3, the received electric field intensity of the received signal to be received by the main body antenna 1 is detected by a level detecting part 7 and is stored in a memory 10 by a control part 8. The antenna changeover switch 5 is switched to the side of the external antenna 2 by the control part 8. Then the received electric field intensity of the external antenna 2 is detected by the level detecting part 7. The detected value is compared with the detected value of the main body antenna 1 stored in the memory 10 by the control part 8, and a switching request is made to the switch 5 to use the antenna whose received electric field intensity is stronger as an antenna for



transmission and reception by the control part 8. A series of operation is performed repeatedly, whenever specified time count is performed by a timer 11.

## **LEGAL STATUS**

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